



PTQ/SBJ/08B (07-05)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1448/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/760591
--------------------	-----------

<b>Filing Date</b>	<b>December 31, 2003</b>
--------------------	--------------------------

First Named Inventor	Damera-Venkata et al
----------------------	----------------------

Art Unit	2825-2629
----------	-----------

Examiner Name	A. D. H. A. R. A.
---------------	-------------------

Attorney Docket Number	200315400-1
------------------------	-------------

Sheet	1	of	1
-------	---	----	---

### NON PATENT LITERATURE DOCUMENTS

[illegible]

**Examiner  
Signature**

P. D. H. A. A

Date \_\_\_\_\_

**Considered**

05-24-07

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**



## PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200315400-1

APPLICATION NO.

10/750,591

CONFIRMATION NO.

8596

APPLICANT

Niranjan Damera-Venkata et al.

FILING DATE

Dec. 31, 2003

GROUP

2629

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	2003/0020809	Jan. 30, 2003	Gibbon et al.	
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L				
	1M				
	1N				
	1O				
	1P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	
	1R	
	1S	

EXAMINER

P. DHARMA

DATE CONSIDERED

05-24-07

## PATENT APPLICATION

Sheet 1 of 4

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200315400-1</b>	APPLICATION NO. <b>10750591</b>	CONFIRMATION NO. <b>8596</b>
	APPLICANT <b>Niranjan Damera-Venkata et al.</b>		
	FILING DATE <b>Herewith</b>	GROUP <b>2629</b>	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	4,662,746	May 5, 1987	Hornbeck
	1B	4,956,619	Sept. 11, 1990	Hornbeck
	1C	5,061,049	Oct. 29, 1991	Hornbeck
	1D	5,083,857	Jan. 28, 1992	Hornbeck
	1E	5,490,009	Feb. 6, 1996	Venkateswar et al.
	1F	5,689,283	Nov. 18, 1997	Shirochi
	1G	5,842,762	Dec. 1, 1998	Clarke
	1H	5,897,191	Apr. 27, 1999	Clarke
	1I	5,978,518	Nov. 2, 1999	Oliyide et al.
	1J	6,025,951	Feb. 15, 2000	Swart et al.
	1K	6,104,375	Aug. 15, 2000	Lam

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	EP 1001306A2	May 17, 2000	Olympus Optical Co.,	X
	1M				
	1N				
	1O				
	1P				

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	1Q	L.M. Chen and S. Hasagawa, "Visual Resolution Limits for Color Matrix Displays", Displays, Technologies, and Applications, Vol. 13, pp. 221-226, 1992.
	1R	A. Yasuda et al., "FLC Wobbling for High-Resolution Projectors", Journal of the SID 5/3 1997, pp. 299-305.
	1S	T. Tokita et al., "P-108: FLC Resolution-Enhancing Device for Projection Displays", SID 02 Digest 2002, pp. 638-641.

EXAMINER

DATE CONSIDERED

05-24-07

## PATENT APPLICATION

Sheet 2 of 4

FORM PTO-1449	ATTY. DOCKET NO. 200315400-1	APPLICATION NO. 10750591	CONFIRMATION NO. 8596
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Niranjan Damera-Venkata et al.		
(Use several sheets if necessary)	FILING DATE H rewith	GROUP 2629	

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	6,104,375	Aug. 15, 2000	Lam
	2B	6,141,039	Oct. 31, 2000	Poetsch
	2C	6,184,969	Feb. 6, 2001	Ferguson
	2D	6,219,017	Apr. 17, 2001	Shimada et al.
	2E	6,239,783	May 29, 2001	Hill et al.
	2F	6,243,055	Jun. 5, 2001	Ferguson
	2G	6,313,888	Nov. 6, 2001	Tabata
	2H	6,384,816	May 6, 2002	Tabata
	2I	6,393,145	May 21, 2002	Betrissey et al.
	2J	2003/0090597	May 15, 2003	Katoh et al.
	2K	4,373,784	Feb. 1983	Nonomura et al.

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L				
	2M				
	2N				
	2O				
	2P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	L.M. Chen "One-Panel Projectors", pp. 221-226. Date unknown.
	2R	Candice H. Brown Elliot et al., "Color Subpixel Rendering Projectors and Flat Panel Displays"; SMPTE Advanced Motion Imaging Conference; February 27-March 1, 2003; pgs. 1-4.
	2S	D.H. Kelly, "Motion and Vision - II. Stabilized Spatio-Temporal Threshold Surface," Journal of the Optical Society of America, Vol. 69, No. 10, October 1979.

EXAMINER

P. Dhar

DATE CONSIDERED

05-24-07

## PATENT APPLICATION

Sheet 3 of 4

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. 200315400-1	APPLICATION NO. 10750591	CONFIRMATION NO. 8596
	APPLICANT Niranjan Damera-Venkata et al.		
	FILING DATE Herewith	GROUP 2629	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>[initials]</i>	3A	4,811,003	Mar. 1989	Strathman et al.	
<i>[initials]</i>	3B	5,146,356	Sep. 1992	Carlson	
<i>[initials]</i>	3C	5,317,409	May 1994	Macocs	
<i>[initials]</i>	3D	5,557,353	Sep. 1996	Stahl	
<i>[initials]</i>	3E	5,912,773	Jun. 1999	Barnett et al.	
<i>[initials]</i>	3F	5,920,365	Jul. 1999	Eriksson	
<i>[initials]</i>	3G	5,953,148	Sep. 1999	Moseley et al.	
<i>[initials]</i>	3H	6,067,143	May 2000	Tomita	
<i>[initials]</i>	3I	6,118,584	Sep. 2000	Van Berkel et al.	
<i>[initials]</i>	3J	6,522,356	Feb. 2003	Watanabe	
<i>[initials]</i>	3K	6,393,145	May 2002	Betrissey et al.	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	3L				
	3M				
	3N				
	3O				
	3P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	
	3R	
	3S	

EXAMINER

*P. DHARIA*

DATE CONSIDERED

*05-24-07*

## PATENT APPLICATION

Sheet 4 of 4

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200315400-1

APPLICATION NO.

10750591

CONFIRMATION NO.

8596

APPLICANT

Niranjan Damera-Venkata t al.

FILING DATE


Herewith

GROUP

2629

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	4A	2003/0076325	Apr. 2003	Thrasher
	4B			
	4C			
	4D			
	4E			
	4F			
	4G			
	4H			
	4I			
	4J			
	4K			

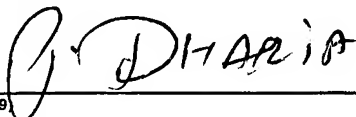
## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	4L				
	4M				
	4N				
	4O				
	4P				

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

4Q	
4R	
4S	

EXAMINER



DATE CONSIDERED

05-24-07



PTO/SB/08A (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet  of **Complete if Known**

Application Number	10/750,591
Filing Date	Dec. 31, 2003
First Named Inventor	N. Damara-Venkata
Art Unit	Unknown 2629
Examiner Name	Unknown P. DHARMA
Attorney Docket Number	200315400-1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,386,253	01/1995	Fielding	
		US- 6,657,603	12/2003	Demetrescu et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> "Number" <sup>4</sup> "Kind Code" (if known)				

Examiner Signature	P. DHARMA	Date Considered	05-24-07
-----------------------	-----------	--------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.